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RESOLVED,—That the thanks of the Academy be given to Sir Richard O'Donel, Bart., for his valuable deposit, and that the custody of it be accepted by the Academy on the terms proposed by him.

Sir Wm. Betham gave an account of the Caah.

Professor Kane read a notice of some recent Determinations of the Heat developed during the Formation of certain Compounds of Chlorine, by Dr. Andrews.

The present results were obtained by a similar method to that described in the last volume of the Transactions of the Academy. The chlorine, however, was employed in the dry state, and the compounds being formed without the presence of water, the heat of combination was deduced from a single direct experiment. In the case of potassium, an important modification of the apparatus was required, which will be described when the full details of the experiments are communicated to the Academy. The numbers in the first column are the immediate results of experiments, and express, in degrees of Fahrenheit's scale, the heat produced during each reaction, in reference to the chlorine as unit, that is, the degrees through which a weight of water equal to that of the combining chlorine would be raised by the heat developed in the formation of each compound. The numbers in the second column express the same heat, referred to the combining metal as unit, and are deduced by calculation from the others.

K + Cl .. 5379° .. 5954°.

Sn + Cl₂ .. 1621° .. 1346°.

Sb₂ + Cl₅ .. 1570° .. 1145°.

As₂ + Cl₃ .. 1268° .. 898°.

Dr. Allman read a notice of a new species of *Linaria*.

This plant was discovered growing on the banks of the River Bandon, and Dr. Allman considered it sufficiently dis-